

Amendments to the Abstract:

Please replace the previous Abstract with the following redlined Abstract:

A method and an equalizer circuit equalize signals transmitted on a line having an attenuation. The equalizer circuit includes: an analogical adaptive filter applied in series with the line and includes plural transconductance filters each having a bias current, ~~each and to which it is associated~~The adaptive filter has a pole and a zero the each having a frequency position in frequency of which in the working band that is variable in response to the bias current; The equalizer circuit includes a retroaction circuit applied to the output of the filter and able to vary the bias current; ~~the bias current varying at according to~~ the varying of the attenuation of the line; ~~wherein the~~ The bias current of the transconductance filters has a prefixed value; ~~the bias current and~~ is made to vary at the increasing of the attenuation so that the pole is moved toward high frequencies; and the bias current is made to vary at the increasing of the attenuation so that the zero is moved toward low frequencies. -